



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D2348
Job Sheet 179538



Part No: D2348

Job Qty: 20 ea

Part Name: Wearplate (Key Way)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/20/18

Job Tracking No:

Due Date: 7/2/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP Rev A Removed from 9 Digit 05-12-05 JLM IPP Rev:B Now on Waterjet 06-07-03 JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	20 Ea	7/2/18	7/2/18	0.00	0.00	Start Up Waterjet		SC 18/06/23
100	Waterjet	20 pcs	7/2/18	7/2/18	0.01	0.74	Waterjet1		SC 18/06/23
120	QC	20 pcs	7/2/18	7/2/18	0.00	0.00	QC8		38
150	Outsource	20 pcs	7/2/18	7/2/18			ATG001-VC	5	9-89
160	Packaging	20 pcs	7/2/18	7/2/18	0.00	0.00	Packaging2		CT 18-6-26
170	QC	20 pcs	7/2/18	7/2/18	0.00	0.00	QC5		38
180	Small Fab	20 pcs	7/2/18	7/2/18	0.00	0.55	Small Fab		9-89 DAS
190	QC	20 pcs	7/2/18	7/2/18	0.00	0.00	QC5		38
200	Packaging	20 pcs	7/2/18	7/2/18	0.00	0.00	Packaging3		JUL 13 2018
210	QC21-SA	20 Ea	7/2/18	7/2/18	0.00	0.00	QC21		DAS 53

Part Op 100 - 1-Cut as per Dwg D2348
Descriptions: 150 - Issue P/O: 040341 Black Anodize per Dwg D2348 Rev. C
160 - Ensure certificate of conformity is attached
170 - INSPECT CERTS
180 - Install Insert as per Dwg D2348

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6S.063	6061-T6 .063 Sheet	.3960 sf (.0198 ea)	90-Start up Operation	
D3996-FE-832-EF	Self-Clinching Fastener	80 Ea (4 ea)	180-Small Fab	5076006

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6S.063	0	317	0
180-Small Fab	D3996-FE-832-EF	80	37	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Wear Plate	0.250Inches $\pm$ 0.010	0.260 0.240	0.252	
2	Wear Plate	0.648Inches $\pm$ 0.010	0.658 0.638	0.649	
3	Wear Plate	0.795Inches $\pm$ 0.005	0.800	0.794	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS			
Part No. _____		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐
NCR No. _____		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
		Large Fab ☐	Composite ☐	Supplier ☐	
Date : _____	Step #: _____	QTY Effective : _____			MRB (QSI042) Approval

Description Work Order Deviation	Disposition
Completed By _____ and / Supervisor _____ oval Verification _____ QA Coordinator _____ Approval _____ DART AEROSPACE Container No: S083565 Part: D2348 Job No: 179538 Serial No/Batch: S083565 Revision: _____ Inspector: _____ Exp Date: _____ Instructions: _____ Date: 06/24/18	

Root Cause		Pressure/Fc	
Environment ☐	No Re-verification ☐	Bending ☐	Centre Not ☐
Design ☐	Operator ☐	Cracks ☐	Crimp/Kink/ ☐
Doc/Data ☐	Offset/Setup ☐	Cuffs ☐	Crushing ☐
Equip/Tooling ☐	Supplier ☐	Heat Treat ☐	Cut Too Short ☐
Handling/Pre ☐	Training ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐
Material ☐	Use for Testing ☐	Marks/Chatter ☐	Drill Holes ☐
Internal Transport ☐	Poor Information ☐		
Tribal Knowledge ☐	Rushing ☐		
LOA ☐	Product Improvement ☐		
Substation ☐	Process Improvement ☐		
Past Expiry Date ☐	Manufacturing Process ☐		
Misidentified ☐	Past Due ☐		
OTHER : _____		Off-set ☐ Drawing ☐ Mislabeled ☐ Finish ☐ Fit/Function ☐ Misread ☐ Misaligned/off center ☐ Turning Sequence ☐	

			0.790	
4	Wear Plate	2.046Inches ± 0.010	2.056 2.036	2,048
5	Wear Plate	1.295Inches ± 0.010	1.305 1.285	1,297
6	Wear Plate	0.656Inches $+ 0.005$ $- 0.000$	0.661 0.656	0,656 Diameter
7	Wear Plate	0.290Inches $+ 0.003$ $- 0.000$	0.293 0.290	0,291 Diameter
8	Wear Plate	0.250Inches ± 0.010	0.260 0.240	0,251 Diameter
9	Wear Plate	0.250Inches ± 0.010	0.260 0.240	0,252
10	Wear Plate	0.648Inches ± 0.010	0.658 0.638	0,649
11	Wear Plate	1.546Inches ± 0.005	1.551 1.541	1,548

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER :			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915493

Date: 04-Jul-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
20 ea	Part: D2348 Wearplate (Key Way) Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils). Job: 23360	Rev: C	PO: PO040341 Line: 1
10 ea	Part: 646.3411 RH Wiper Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23361	Rev: NC	PO: PO040341 Line: 2
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>9/7/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040341**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040341

PO Date: 6/26/18

Due Date: 7/13/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	179538	D2348	Wearplate (Key Way) Issue P/O: _____ Black Anodize per Dwg D2348 Rev. C	Firmed	7/13/18	20 pcs	0 pcs	20 pcs	\$6.00/pcs	\$120.00
2	179951	646.3411	RH Wiper Deflector Issue P/O to ATG : _____ 1- Hard Anodize, Color Black and Prime as per Dwg 646.3400	Firmed	7/13/18	3 pcs	0 pcs	3 pcs	\$27.00/pcs	\$81.00
	179952			Firmed	7/13/18	6 pcs	0 pcs	6 pcs	\$27.00/pcs	\$162.00
	178092			Firmed	7/13/18	1 pcs	0 pcs	1 pcs	\$27.00/pcs	\$27.00
Sub Total:						10	0	10		\$270.00

Grand Total: \$390.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/27/18 3:05 PM dart.tsimiklis.chrisoula